

METHOD OF PROJECTING COLOR IMAGE ONTO MONOCHROME IMAGE

Publication number: JP4234261

Publication date: 1992-08-21

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Classification:

- international: G03G15/01; G06K15/00; G06T1/00; H04N1/40;
H04N1/405; H04N1/46; H04N1/60; H04N9/79;
G03G15/01; G06K15/00; G06T1/00; H04N1/40;
H04N1/405; H04N1/46; H04N1/60; H04N9/79; (IPC1-7):
G03G15/01; H04N1/46; H04N9/79

- European: G06K15/00; H04N1/40B; H04N1/405B

Application number: JP19910211073 19910822

Priority number(s): US19900574144 19900829

Also published as:



EP0473433 (A2)

US5153576 (A1)

EP0473433 (A3)

EP0473433 (B1)

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Abstract of JP4234261

PURPOSE: To copy a color image in a black-and-white image by allocating each color component to a fixed cell area on each screen, generating a texture pattern and combining the half tone screens of respective color components. **CONSTITUTION:** In order to print a color image consisting of plural pixels in a black-and-white image with texture, the quantity of plural color components in the color image is determined in each pixel. Then each color component is applied to its own half tone screen consisting of plural cells. Each color component is allocated to a fixed cell area on each screen to generate a texture pattern. Then the half tone screen of respective color components are combined to generate a black-and-white image with the texture. Luminance is selectively stored as necessary.

11/13			4/13		
9/13			6/13		
7/13			8/13		
5/13			10/13		
3/13			12/13		
1/13			2/13		

redHTcell

FIG. 1A

	32/33	9/33	23/33		31/33	10/33	24/33
	7/33	30/33	16/33		8/33	29/33	15/33
	22/33	14/33	28/33		21/33	13/33	27/33
	12/33	20/33	6/33		11/33	19/33	5/33
	25/33	4/33	18/33		26/33	3/33	17/33
	2/33				1/33		

greenHTcell

FIG. 1B

		$\frac{1}{5}$	$\frac{3}{5}$			$\frac{2}{5}$	$\frac{4}{5}$

BlueHTcell

FIG. 1C

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